

Solar Collector Panel (1)

Fig 1

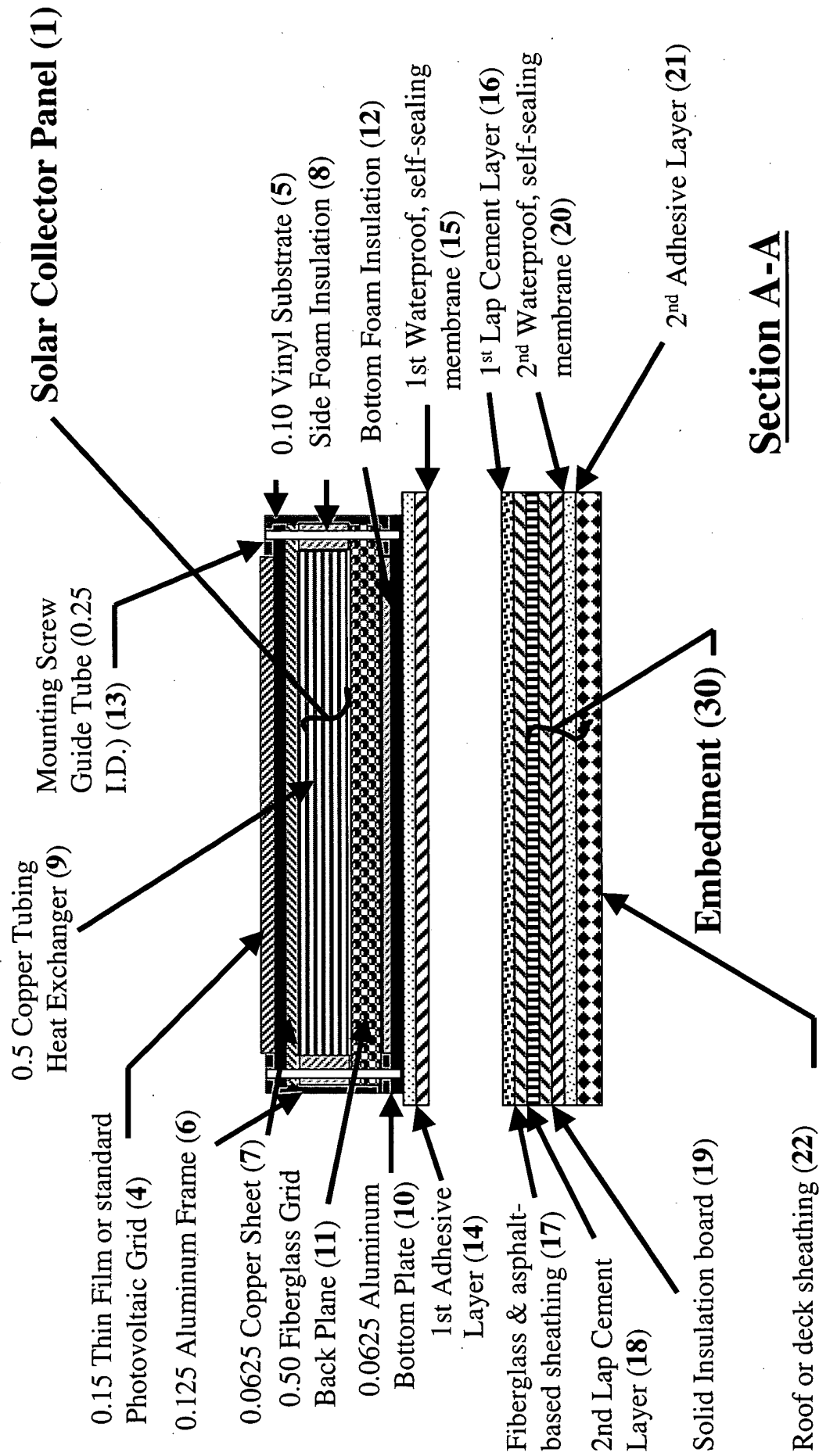


Fig 2

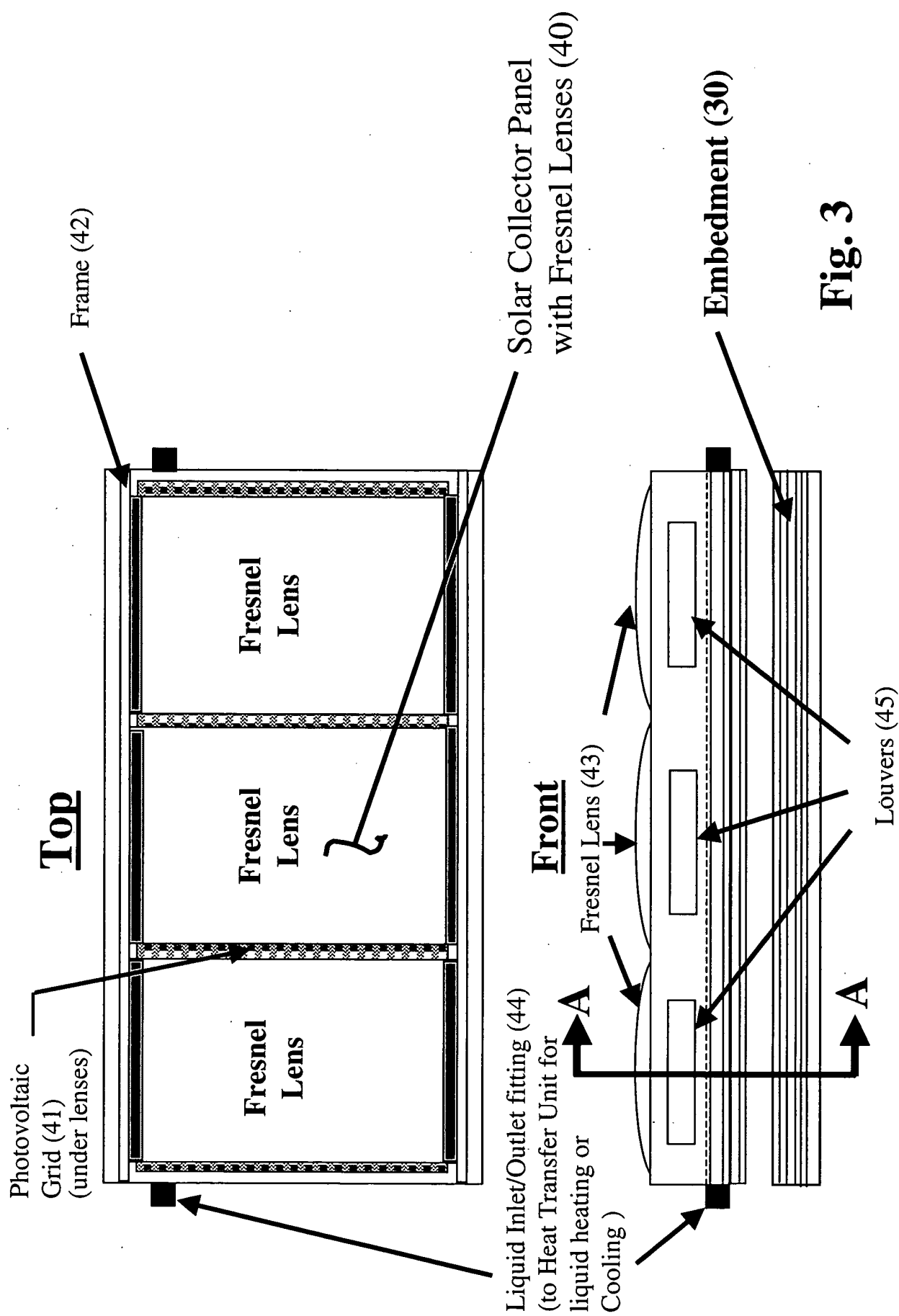


Fig. 3

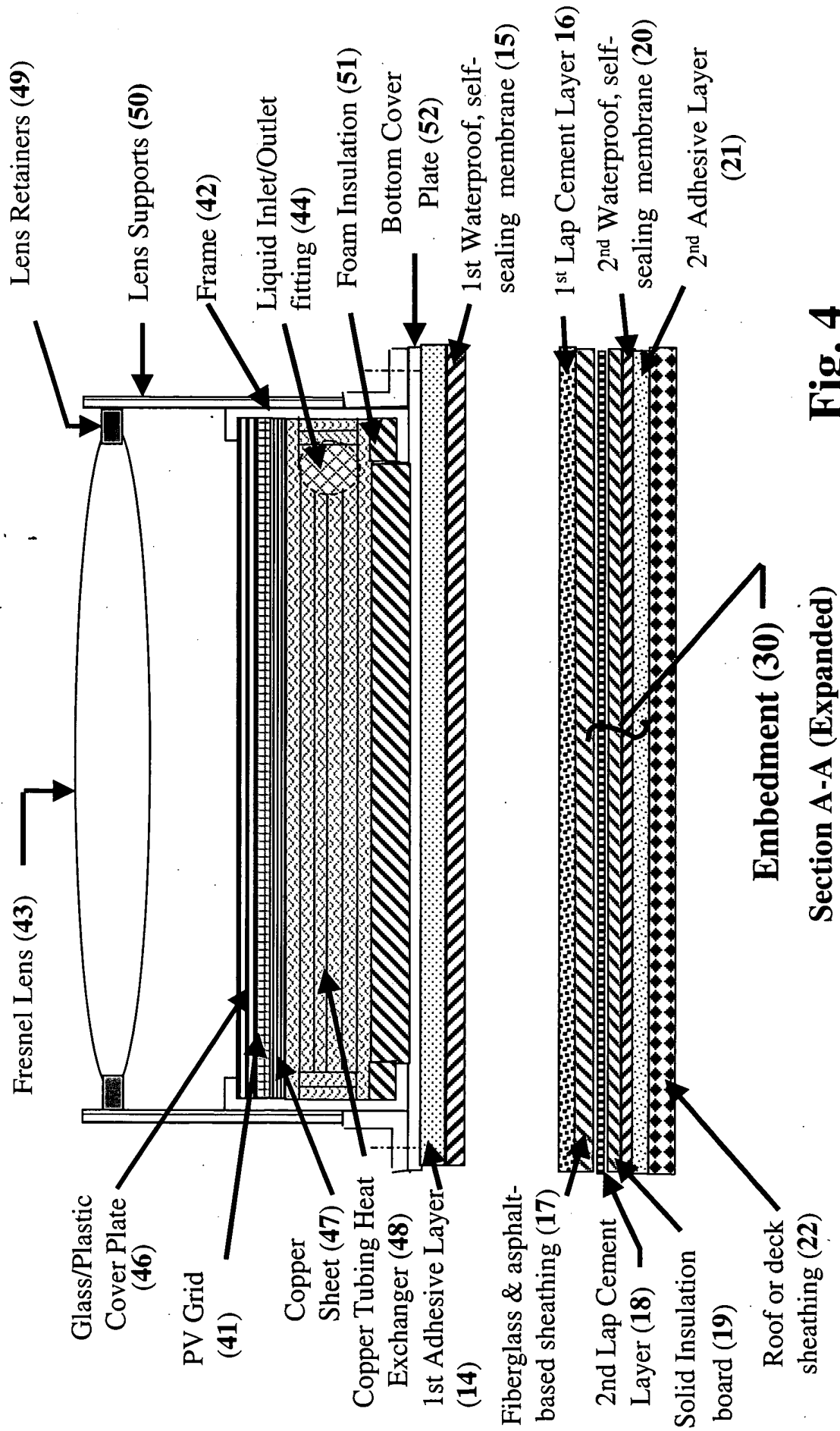


Fig. 4

Section A-A (Expanded)

Cold Liquid Return from Plant (61)

DC Current Return
from Plant (62)

Example Array (60)
(24 4 by 8 foot Panels)

Note: the Panel Arrays
are assembled of the
required number of
panels for the desired
array voltage and then
multiple arrays are
connected in parallel
to generate the desired
total power

DC Current to Plant (63)

Heated Liquid to Plant (64)

Fig 5

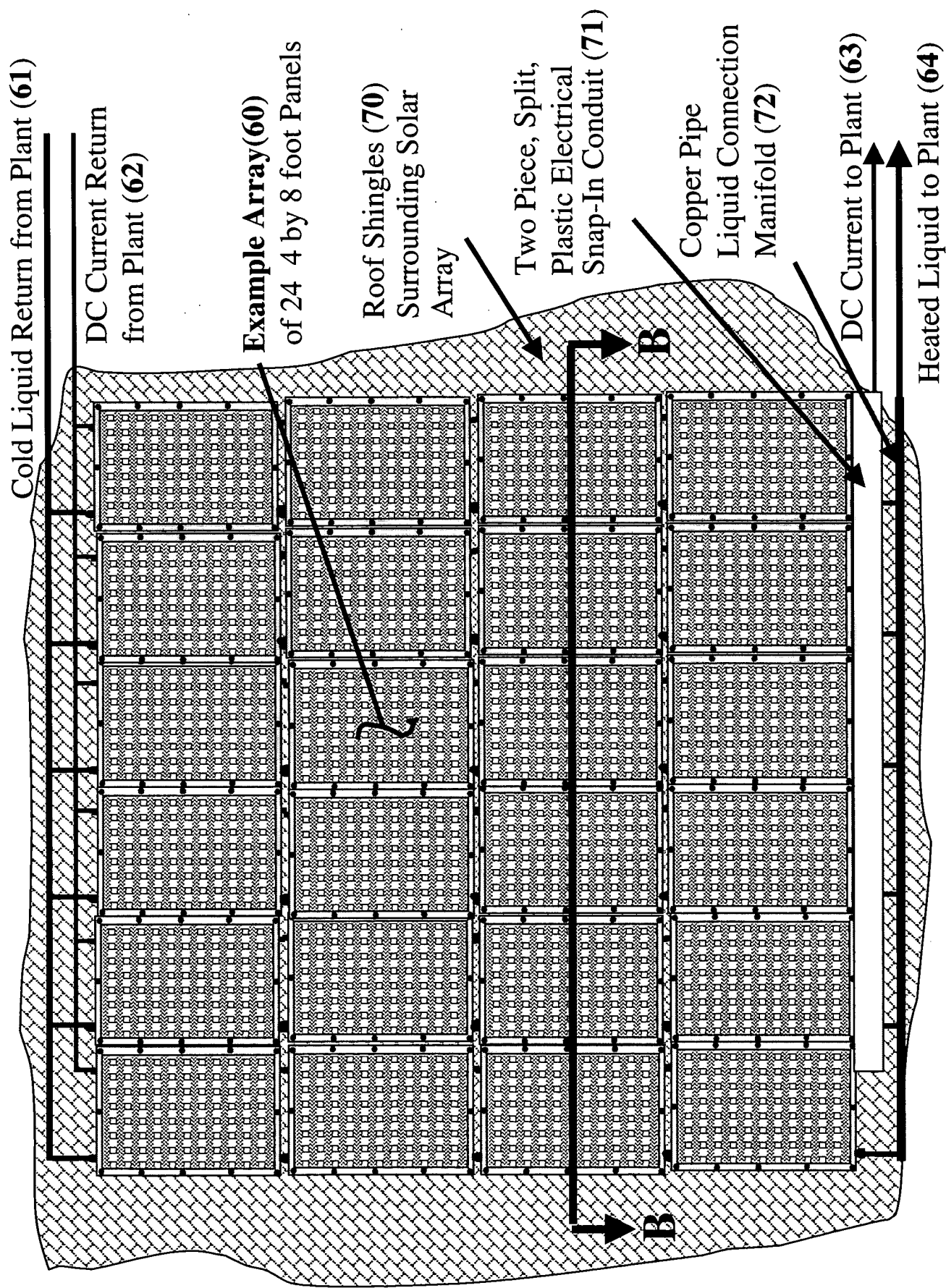


Fig 6

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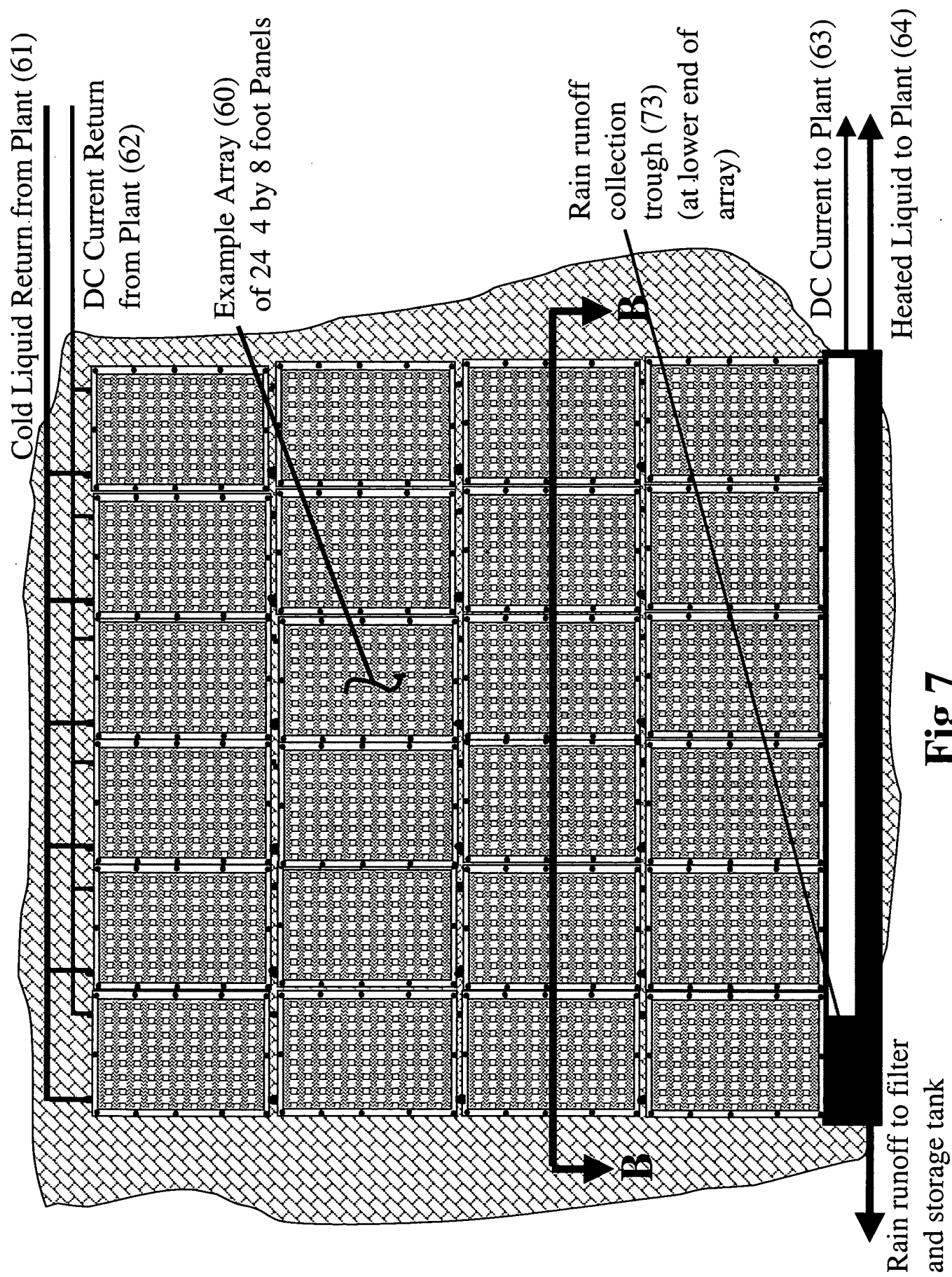


Fig 7

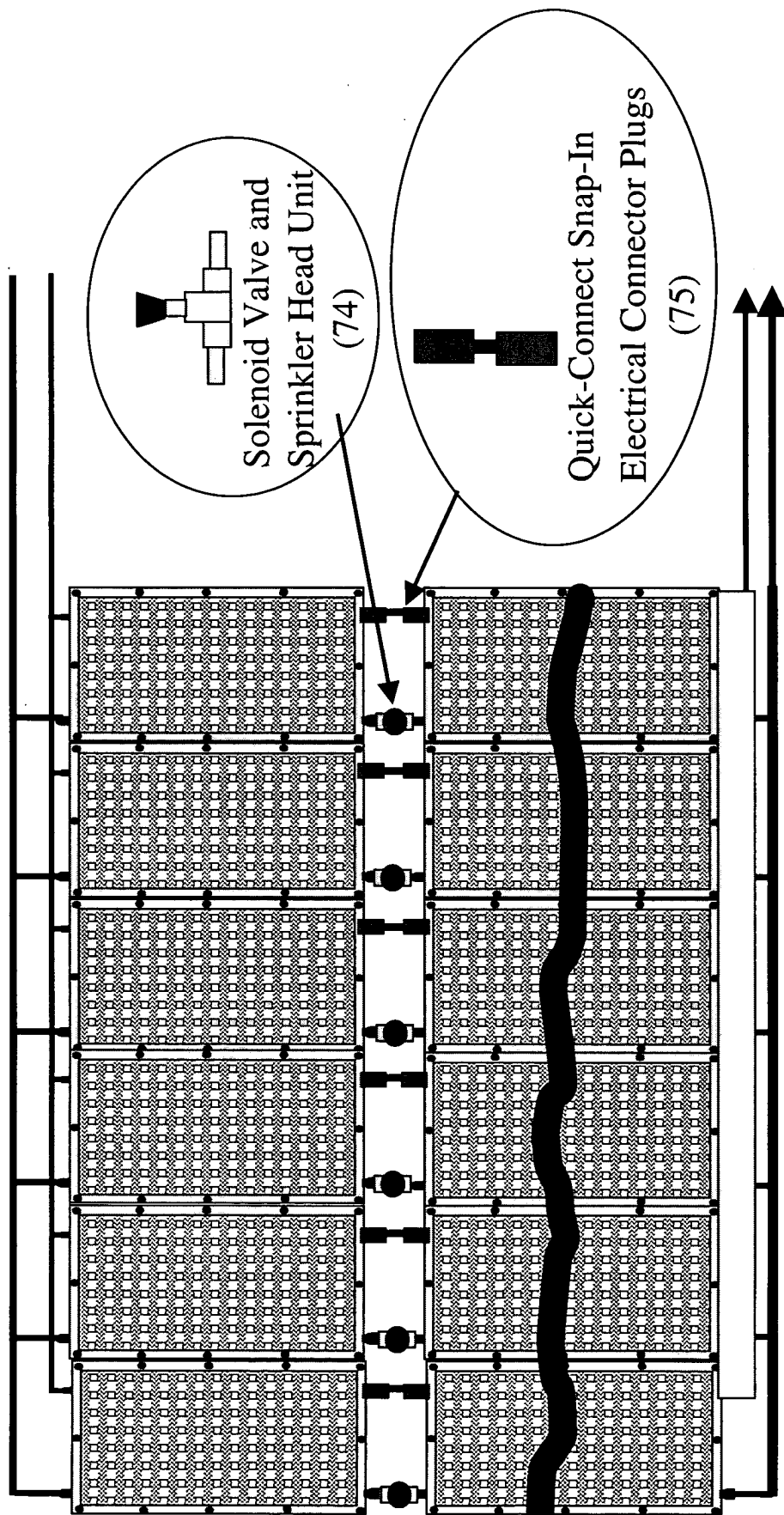
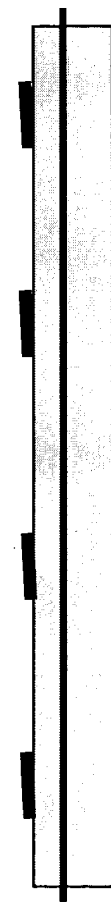
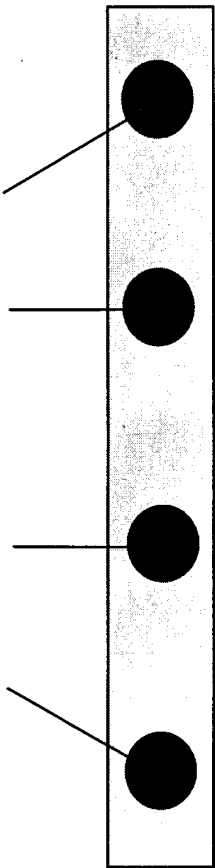
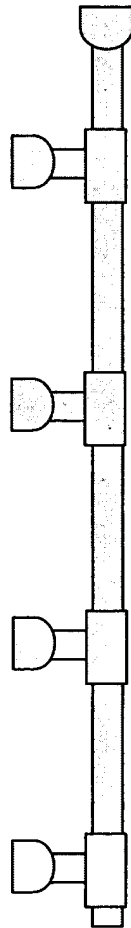


Fig 8

Quick-Connect Snap-in Electrical Receptacles (76)



Two Piece, Split, Plastic
Electrical Snap-in Conduit (71)
for installation and wiring of
Quick-connect, snap-in
Electrical receptacles



Copper Pipe Liquid
Connection Manifold (72)



Fig 9

Light weight Fiberglass & Asphalt based Sheathing (17) with 1st and 2nd Lap Cement Layers (16 & 18) applied to both sides of the sheathing and Underlay Membranes.

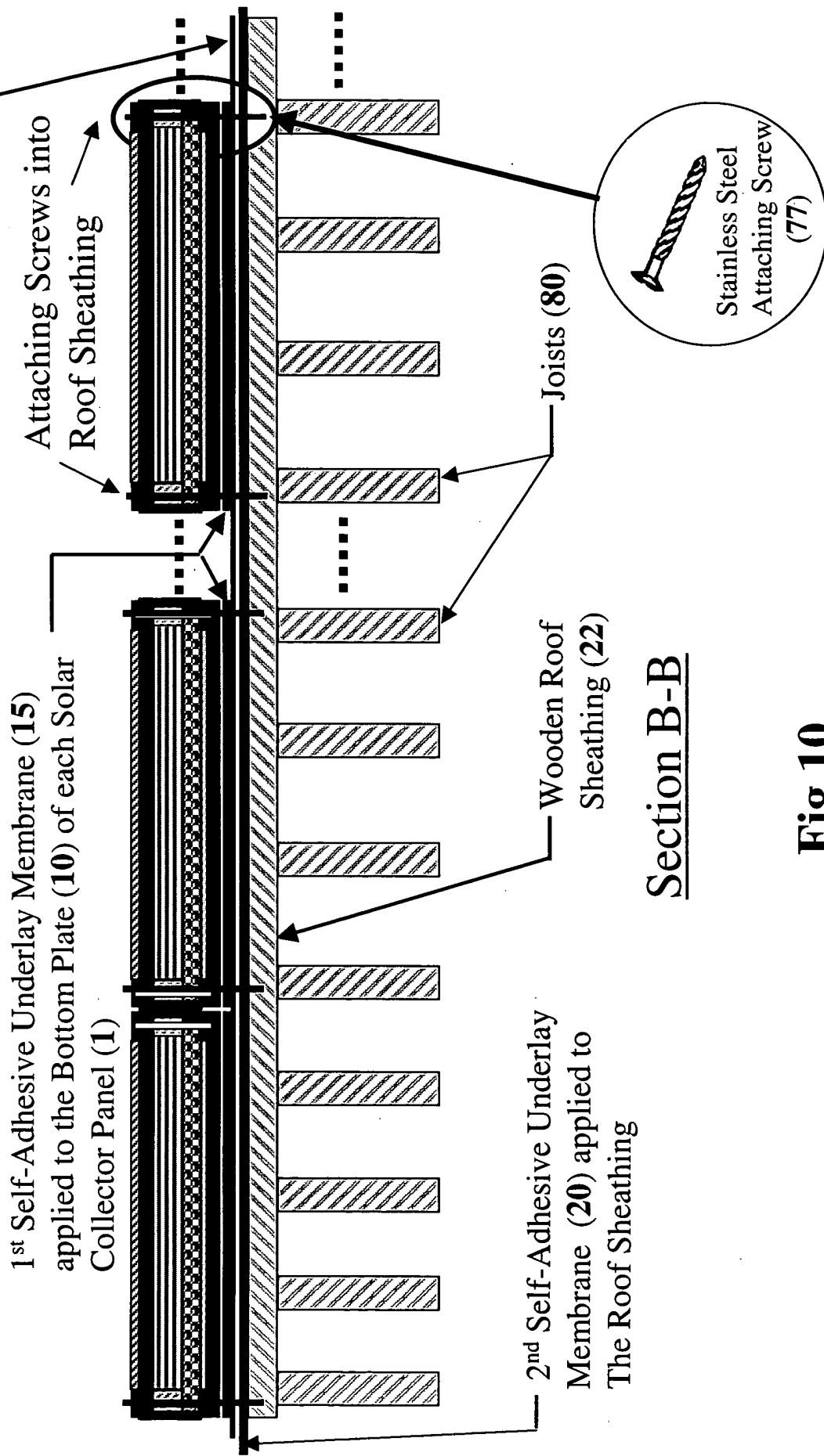
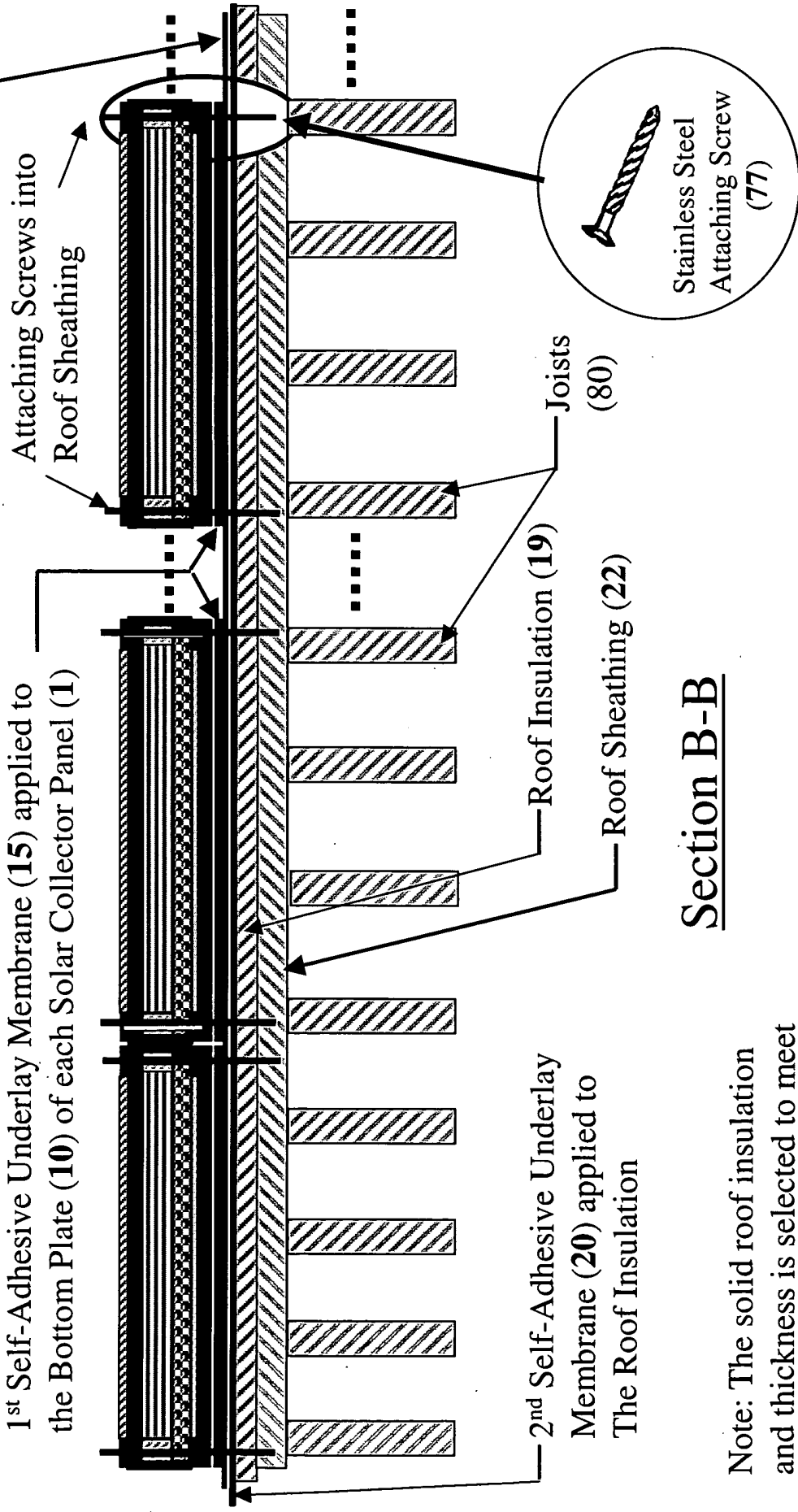


Fig 10

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Light weight Fiberglass & Asphalt based Sheathing (17) with 1st and 2nd Lap Cement Layers (16 & 18) applied between the sheathing and Underlay Membranes.

1st Self-Adhesive Underlay Membrane (15) applied to the Bottom Plate (10) of each Solar Collector Panel (1)



Section B-B

Note: The solid roof insulation and thickness is selected to meet building codes at the location of installation.

Fig 11

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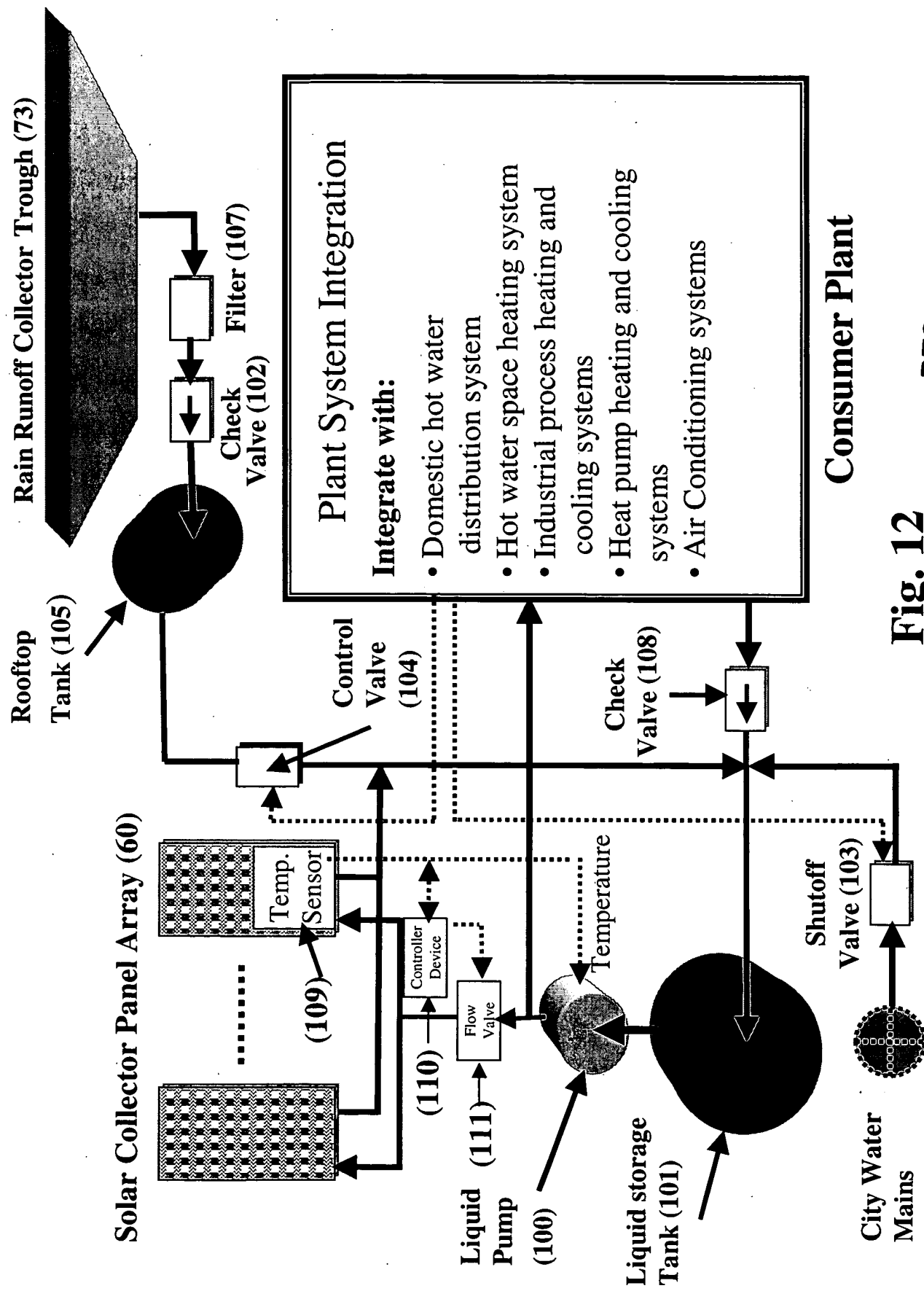


Fig. 12

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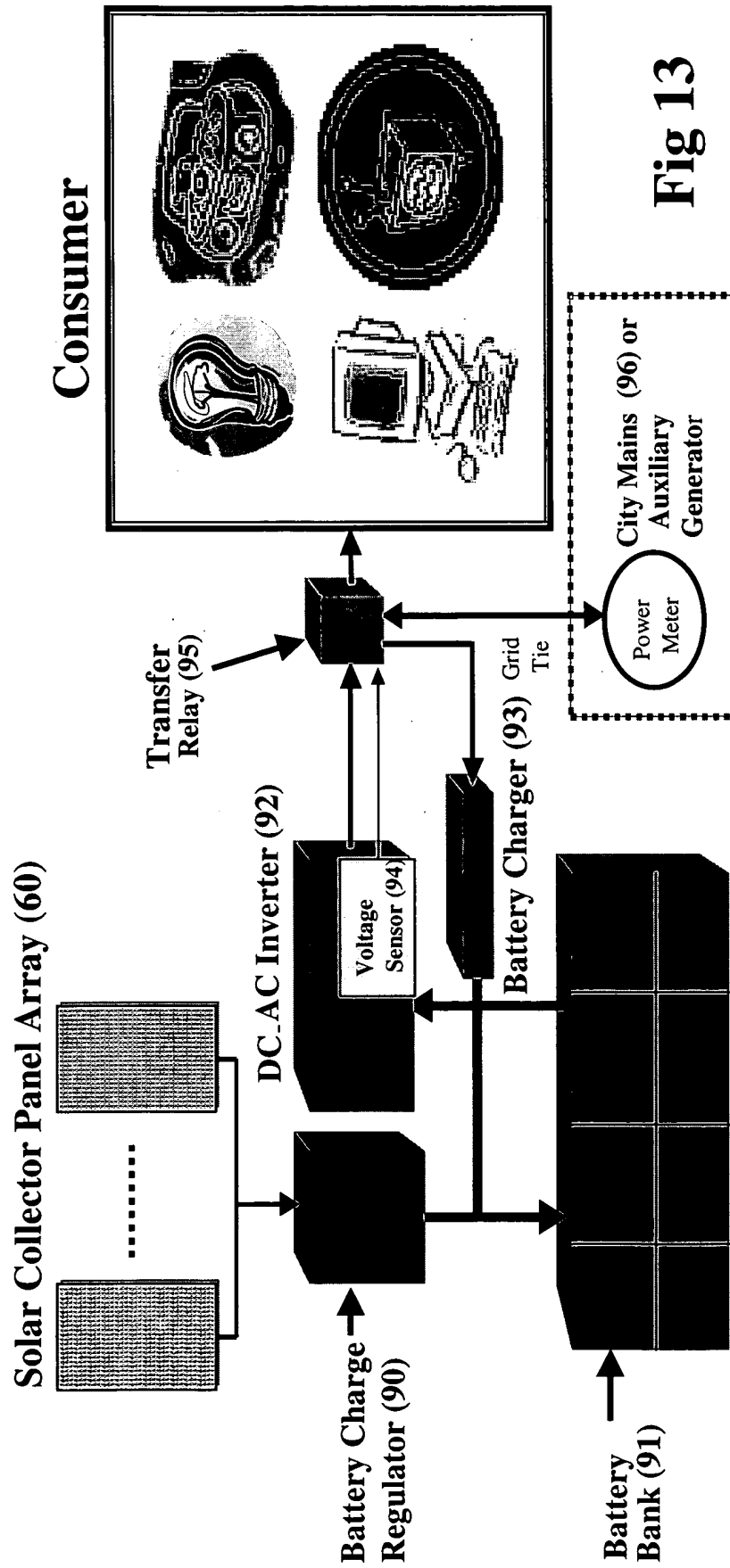


Fig 13